

FIG. 1

ASSOCIATION OF CATALOGS TO APPLICATION DOWNLOAD SERVERS

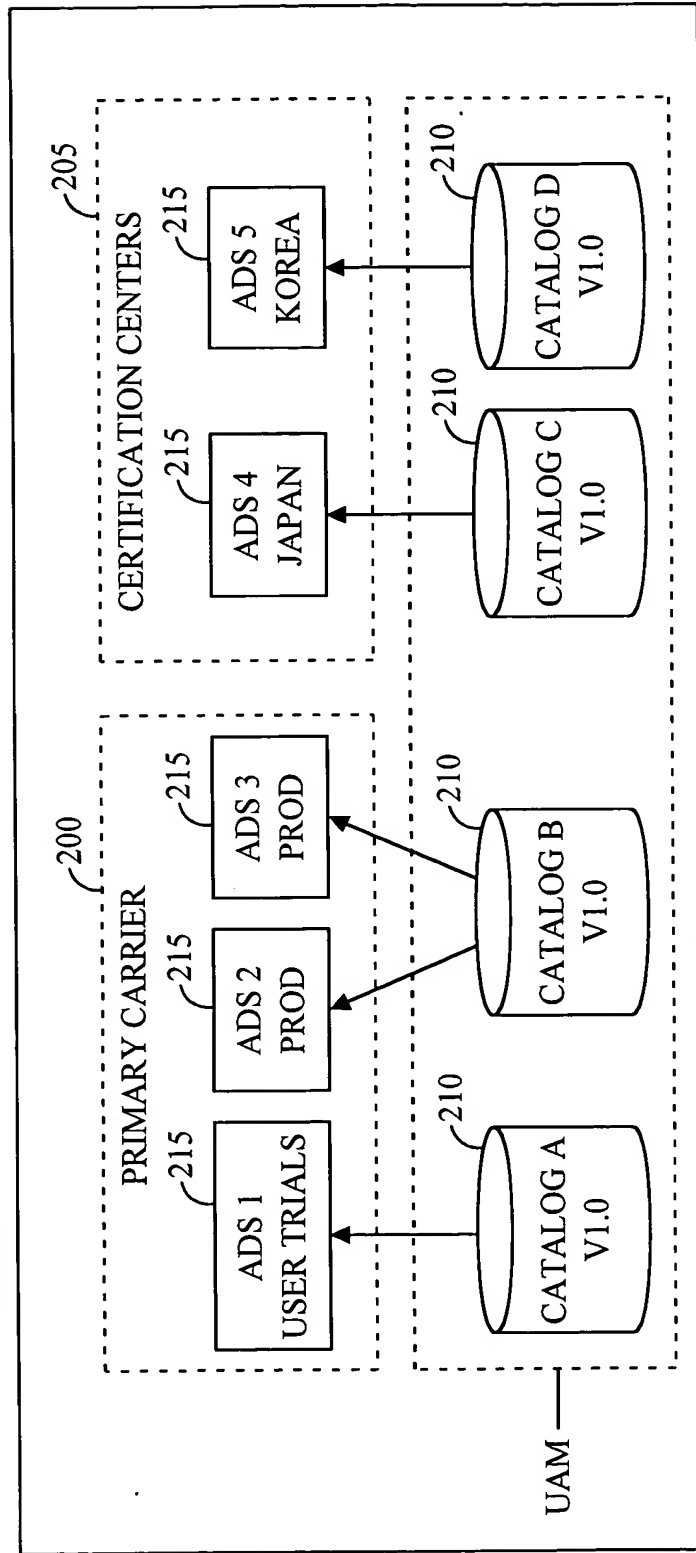


FIG. 2

CATALOG MANAGEMENT SERVICES

300

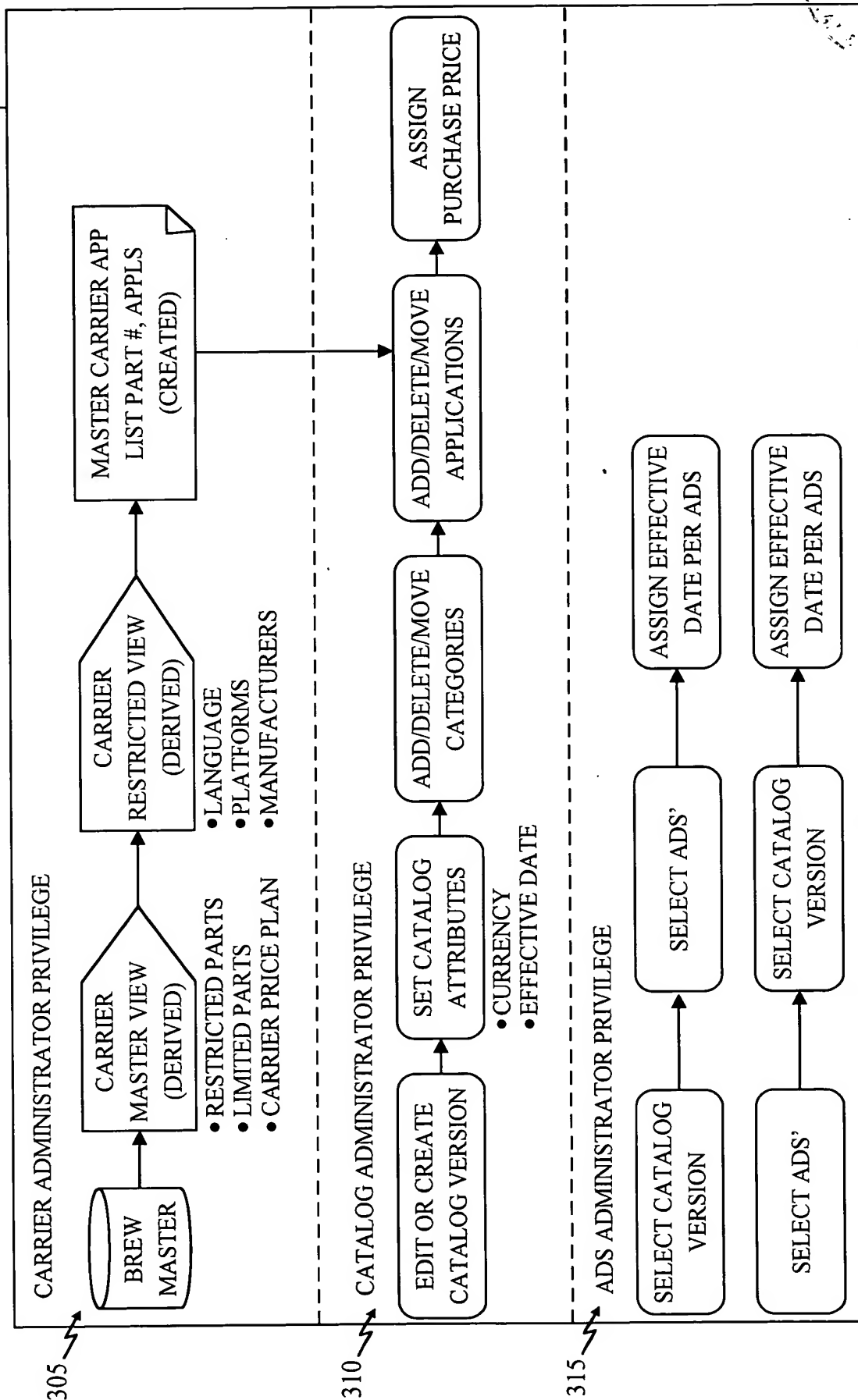


FIG. 3

```

graph TD
    subgraph "TRANSACTION LOG"
        direction TB
        1["CARRIER ADS 'RAW' TRANSACTION DATA (1)"]
        2["TX CONSOLIDATED 'RAW' TRANSACTION DATA (2)"]
        3["TX CONVERSION PROCESS (3)"]
        4["TX 'CONVERTED' TRANSACTION DATA (QDC) (400)"]
        5["QDC RATING/ BILLING PROCESS (5) (420)"]
        6["QDC 'COSTED' TRANSACTION DATA (6) (425)"]
        7["CARRIER EXTRANET BILLING ADJUSTMENTS (4)"]
        8["TRANSACTION ANALYSIS REPORTS"]
        9["BILLING ANALYSIS REPORTS"]
    end

    1 --> 3
    2 --> 3
    3 --> 4
    4 --> 5
    5 --> 6
    6 --> 7
    7 --> 8
    7 --> 9

    subgraph "EXTERNAL DATA"
        direction TB
        A["UAM APPLICATION QDC (APPL ID, PKG ID, PART NO.)"]
        B["CARRIER CARRIER 'PROVISIONING' DATA (NEW PHONE/APP PROVISIONS, SUBSCRIPTION INFO, ALL BASED ON MIN)"]
        C["UAM PRICING PLANS (QDC)"]
        D["CRM"]
    end

    A --> 3
    B --> 3
    C --> 5
    D --> 5
  
```

FIG. 4



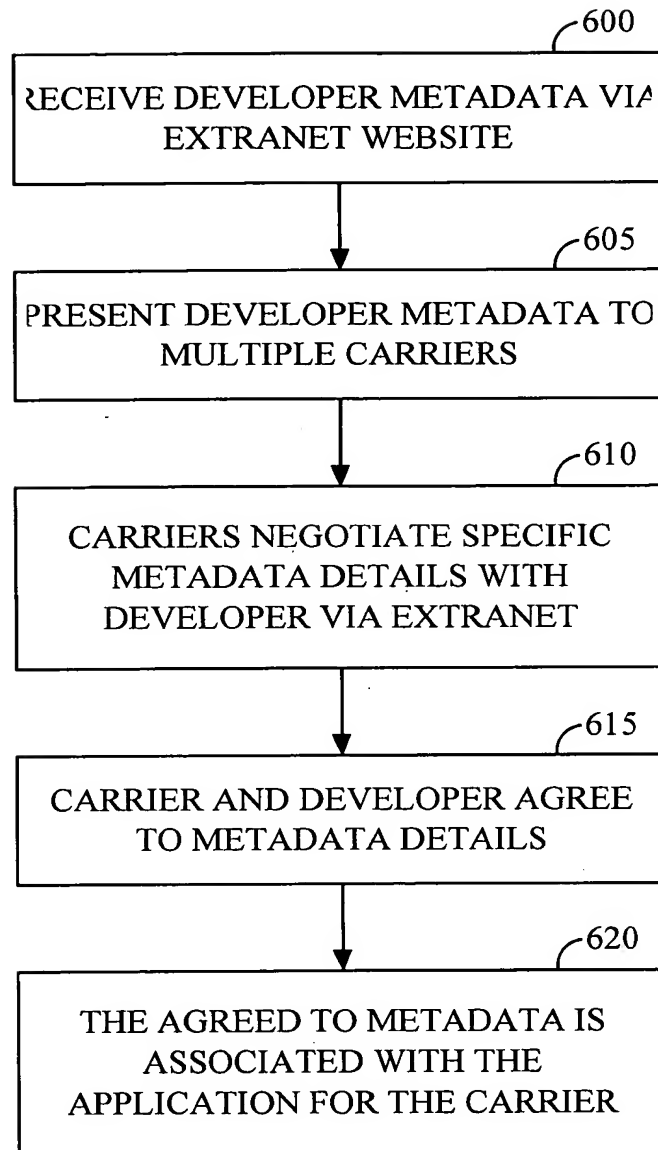


FIG. 6

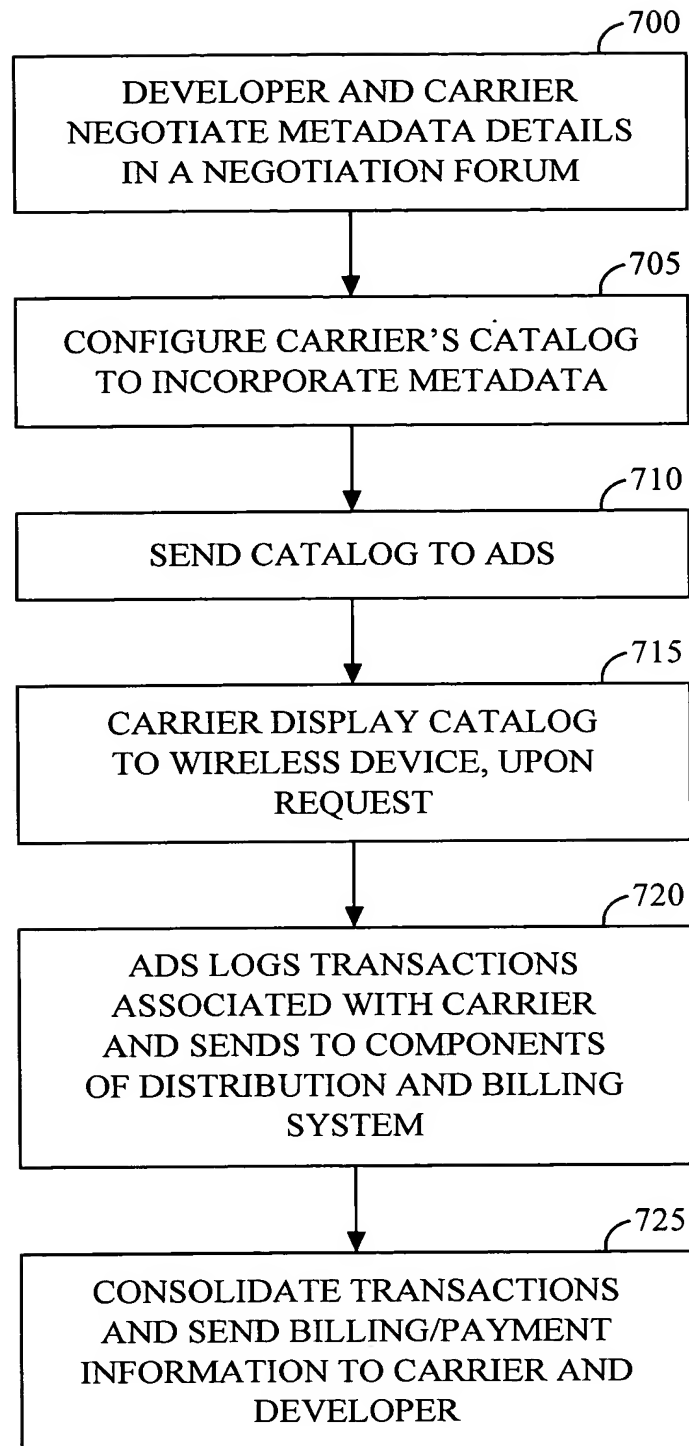


FIG. 7